

Appl. No. 09/342,719
Amdt. Dated May 27, 2003
Reply to Office Action of December. 27, 2002

Claim Amendments

This listing of claims will replace all prior versions and listings of claims in the present application.

CLAIMS

Claims 1-27. Withdrawn.

Claim 28.(Currently Amended) A disposable article adapted to be worn by a wearer comprising:

one or more compositions for enhancing removability of fecal waste from skin of the wearer, said one or more compositions being available to at least a portion of one of said fecal waste and said skin of said wearer;

wherein said disposable article is a diaper and comprises a responsive system including a sensor operatively connected to the article, the sensor adapted to detect an input, and an actuator operatively connected to the article, the actuator being adapted to deliver said one or more compositions to at least a portion of said fecal waste excreted from said wearer when the sensor detects the input, and said one or more compositions provide one or more of the following as determined by test methods set forth in the specification:

a) a Waste Contamination Area of less than about 15 cm²;

b) a Waste Contamination Mass calculated from an equation \sum_{L0}^{Ln}
(mArArea X mARGV)/255 of less than about 14 mass units.

Claim 29.(Previously Amended) The disposable article of Claim 28 wherein said one or more compositions provide a Waste Contamination Area of less than about 12 cm².

Claim 30. (Previously Amended) The disposable article of Claim 29 wherein said one or more compositions provide a Waste Contamination Area of less than about 10 cm².

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Claim 31. (Previously Amended) The disposable article of Claim 29 wherein said one or more compositions provide a Waste Contamination Mass calculated from the equation $\sum_{L0}^{Ln} (mArArea \times mArGV)/255$ of less than about 10 mass units.

Claim 32. (Previously Amended) The disposable article of Claim 31 wherein said one or more compositions provide a Waste Contamination Mass calculated from the equation $\sum_{L0}^{Ln} (mArArea \times mArGV)/255$ of less than about 8 mass units.

Claim 33. Canceled

Claim 34. (Previously Amended) The disposable article of Claim 28 wherein at least one of said compositions comprises an effective concentration of a feces modifying agent.

Claim 35. (Original) The disposable article of Claim 34 wherein at least one of said compositions comprises a skin care composition.

Claim 36. (Original) The disposable article of Claim 28 comprising a skin care composition on a wearer-contacting surface.

Claim 37. (Previously Amended) The disposable article of Claims 35 or 36 wherein said skin care composition comprises a material selected from the group consisting of: petroleum oils, petroleum waxes, silicone oils, and silicone waxes.

Claims 38-39. Withdrawn.

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Claim 40. (Original) The absorbent article of Claim 34 wherein the feces modifying agent includes a viscosity increasing agent.

Claim 41. (Original) The absorbent article of Claim 40 wherein the viscosity increasing agent includes a thickener.

Claim 42. (Previously Amended) The absorbent article of Claim 41 wherein the thickener is selected from the group consisting of: carboxymethyl cellulose, xanthan gum, polyacrylic acid and salts thereof, polyacrylamide, and polyethyleneimines.

Claim 43. (Original) The absorbent article of Claim 40 wherein the viscosity increasing agent includes an ionic complexing agent.

Claim 44. (Original) The absorbent article of Claim 43 wherein the ionic complexing agent is selected from the group consisting of: ZnO, MgO, MnO, CaO, calcium hydroxide, ethanolamines, quaternary ammonium salts, Al₂O₃, alginates, zinc salts, aluminum salts and combinations thereof.

Claims 45-46. Withdrawn.

Claim 47. (Original) The disposable article of claim 34 wherein said feces modifying agent is disposed in the article as an individual discrete element.

Claim 48. (Original) The disposable article of Claim 34 wherein said feces modifying agent is associated with a carrier structure which includes a component selected from the group consisting of: a web of material, a film, a fibrous structure, a loop material, a brush structure, and a structure which releasably encapsulates said feces modifying agent.

Claim 49. Canceled

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Claims 50-57. Withdrawn.

Claim 58. (Currently Amended) A method of enhancing removability of bodily waste from the skin of a wearer of a disposable article, the method comprising:

providing a disposable article adapted to be worn by the wearer;

associating one or more compositions for enhancing the removability of fecal waste from skin of the wearer with said disposable article so that said one or more compositions are available to at least a portion of one of said bodily waste and said skin of said wearer and said disposable article is a diaper, and comprises a responsive system including a sensor operatively connected to the article, the sensor adapted to detect an input, and an actuator operatively connected to the article, the actuator being adapted to deliver said one or more compositions to at least a portion of said fecal waste excreted from said wearer when the sensor detects the input;

said one or more compositions providing one or more of the following as determined by the test methods set forth in the specification:

a) a Waste Contamination Area of less than about 15 cm²;

b) a Waste Contamination Mass calculated from equation $\sum_{L0}^{Ln} (mArArea \times mArGV)/255$ of less than about 14 mass unit.

Claim 59. (Original) The method of Claim 58 wherein at least one of said compositions comprises an effective amount of a feces modifying agent.

Claim 60. (Original) The disposable article of Claim 59 wherein at least one of said compositions comprises a skin care composition.

Claims 61-63. Withdrawn.